

Engineer, Derrickboat

NS-07
WBS-05JOB CONTROLS

1. Supervisory controls over the position are very general inasmuch as the duties require a qualified engineer and is the only engineer on the floating plant, therefore, instructions as to work assignments are made by the Master and technical supervision as to operation or repairs is from the Engineer in charge of Floating Plants.

2. Guides are available as to the amount of steam pressure to be maintained and nomenclature of parts in manufacturers technical manuals.

MAJOR DUTIES

1. Operates stationary engines and equipment on a derrickboat, such as steam engines, bilge pumps, fire pump, air compressors, generators, service water and fresh water pumps, steam boilers (with injectors) and boiler feed water pumps to furnish power for the operation of boat, by observing meters and gauges to determine operating condition of equipment, and keep steam pressure at proper level. (Safety valves are set to go off at between 100 and 105 lbs. of pressure).

2. Maintains and repairs all equipments in the engine room, checking daily to determine repairs needed; makes repairs by removing and replacing worn or broken parts, such as relines brakes, cleans and replaces oil burning nozzles, etc., oils and greases all moving parts. Makes any repairs for which equipment is available on floating plant but does not make major overhaul and do machine work.

3. Repairs low pressure steam and water pipes, checks daily for leaks, removes absetos covering from pipe, replaces defective sections, connects with unions and replaces covering; repairs and replaces and repacks cut-off valves.

4. Compiles a list of parts and equipment needed for repairs, listing any major repairs to be made by commercial ship yards.

5. Maintains a small stock of parts.

6. Issues instructions to fireman watertender.

7. Uses mechanics hand tools such as wrenches, pliers, screwdriver, etc., uses pipe fitting equipment such as dies, pipe cutter, thread cutter, etc.

8. Determines when to transfer oil between storage tank to effect proper trim of the vessel.

Performs incidental duties as assigned.

Must have Stationary Engineer's license. Is on call 24 hours a day.